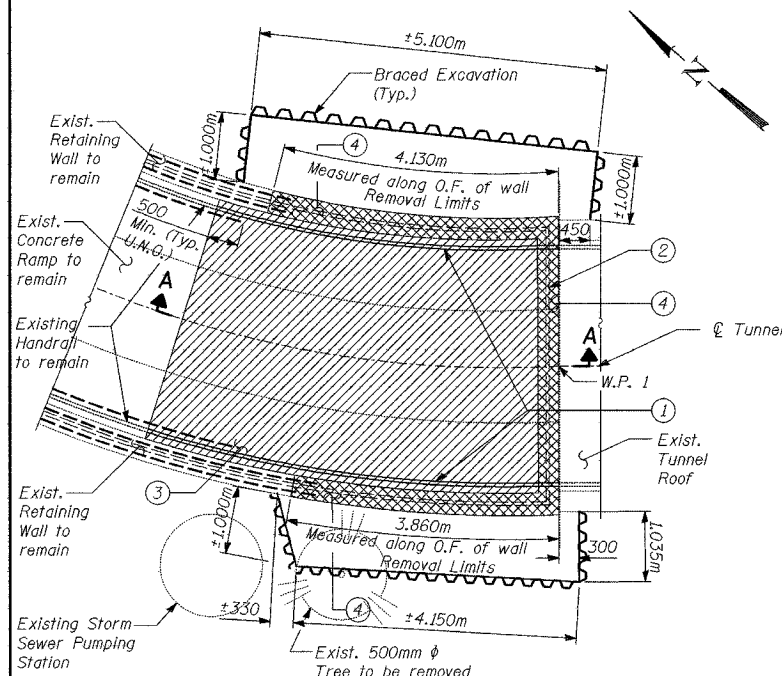
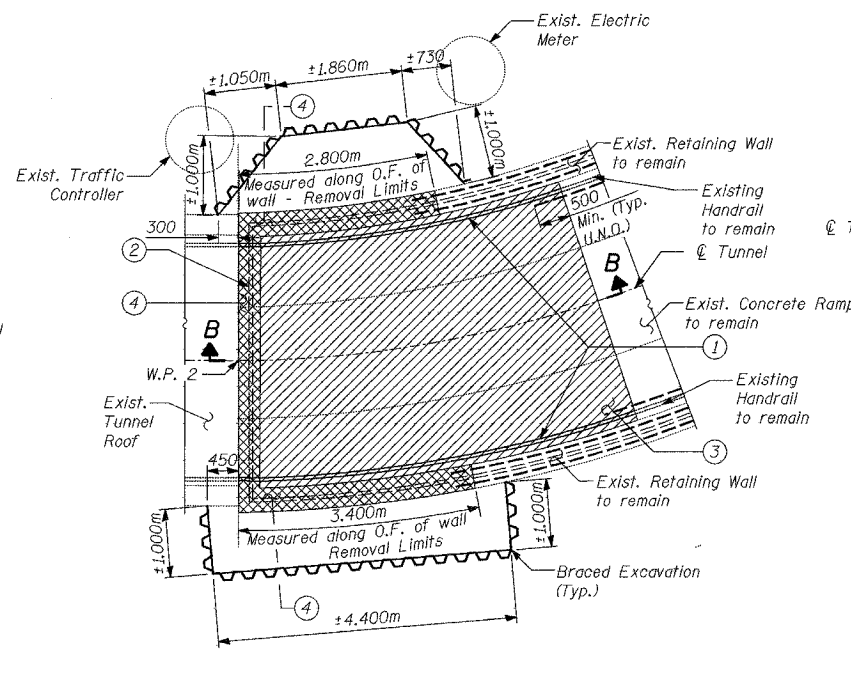


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

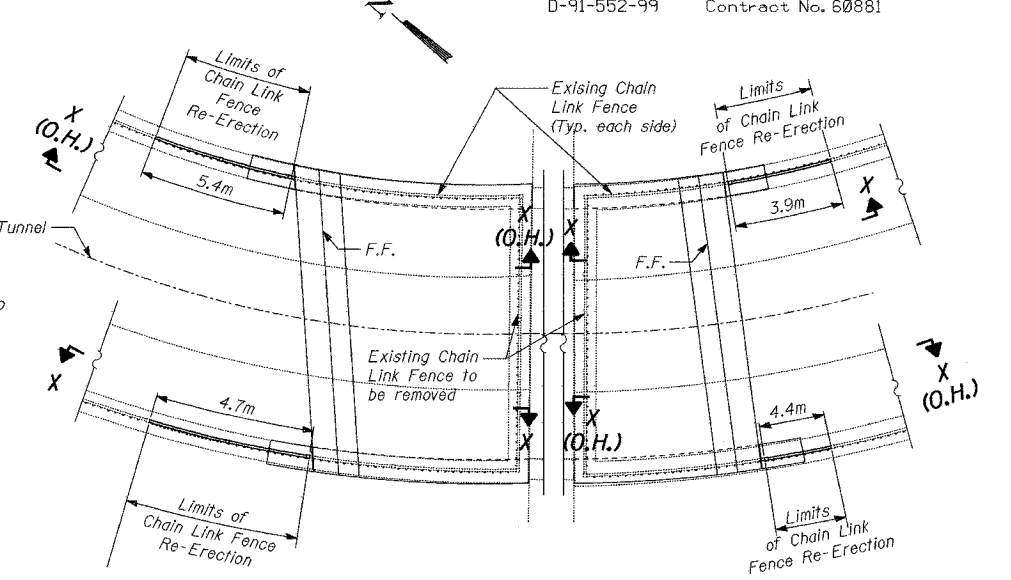
FAP	SECTION	COUNTY	SHEET	SHEET NO.
337	20R-5	LAKE	562	437
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
0-91-552-99		Contract No. 60881		



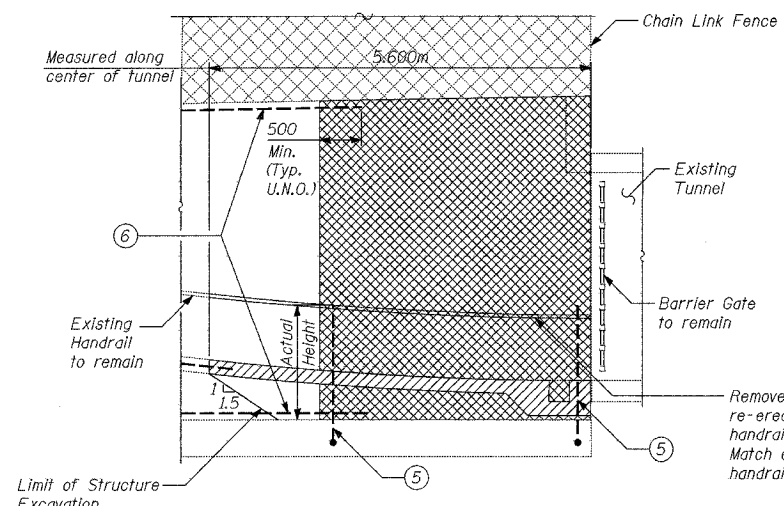
PLAN
North Extension



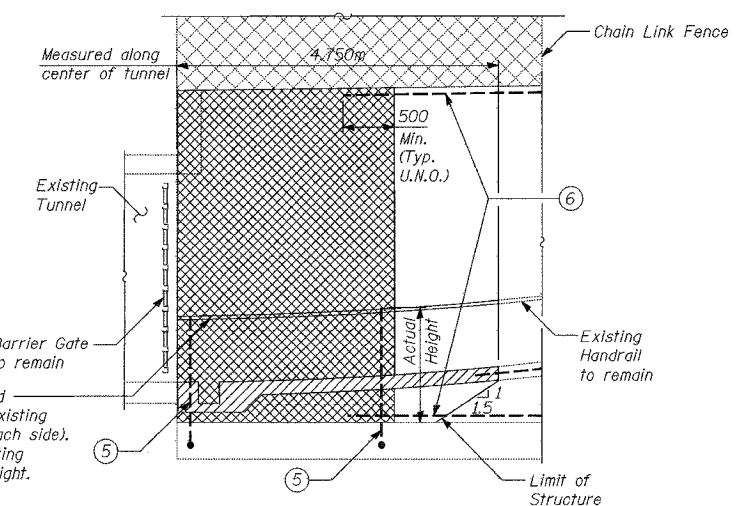
PLAN
South Extension



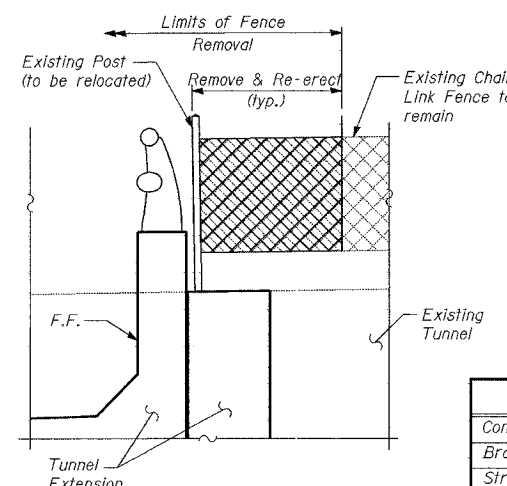
EXISTING CHAIN LINK FENCE REMOVAL AND REPLACEMENT



SECTION A-A



SECTION B-B



SECTION X-X
(Existing Chain Link Fence Removal Detail)

LEGEND

- ① Existing Handrail to be removed & re-erected for the new wall construction.
 - ② Existing Chain Link Fence to be removed and re-erected for the new wall construction.
 - ③ Removal of existing Concrete Ramp Slab.
 - ④ Removal of existing Retaining Walls & Headwall.
 - ⑤ Existing Footing Dowels to be preserved after concrete removal, (typ. each face).
 - ⑥ Existing wall reinforcement to be preserved after concrete removal (typ. each face - each wall).
- O.F. Denotes - Outside Face.
I.F. Denotes - Inside Face.
F.F. Denotes - Front Face.
O.H. Denotes - Opposite Hand.
U.N.O. Denotes - Unless Noted Otherwise.

BILL OF MATERIAL

Item	Unit	TOTAL
Concrete Removal	CU M	43
Braced Excavation	CU M	80
Structure Excavation	CU M	14
Chain Link Fence to be Removed and Re-erected	METER	18.4
Remove and Re-erect Existing Handrail	METER	25

NOTES

1. The design of the braced excavation is the responsibility of the Contractor. The Contractor shall submit drawings and design for the braced excavation to the Engineer for approval. The braced excavation design and drawings shall be signed and sealed by an Illinois Licensed Structural Engineer, submitted and approved prior to commencing of any work. The Engineer's approval shall not relieve the Contractor from the sole responsibility of the structural integrity of the braced excavation system.
2. Sand blast, clean and cut existing waterstop.
3. Any reinforcement bars that are damaged during concrete removal operations at the edge of the slabs and wing walls shall be repaired or replaced using approved bar splicer or anchorage system. Cost included with "Concrete Removal".
4. Sand blast clean existing reinforcing bars to be incorporated into new construction. After cleaning, bars shall be evaluated to determine if additional reinforcing bars are required. Damaged or cut bars, or bars that have lost 25% or more of their original cross sectional area shall be supplemented by new in-kind reinforcement bars, to the approval of the engineer. Cost included with concrete removal.

5. The Contractor shall verify locations of all underground utilities before installing any of the braced excavation system components or commencing excavation. Any disturbance or damage to the existing structure, utilities or other property, caused by the Contractor's operation, shall be repaired by the Contractor in a manner satisfactory to the Engineer at no additional cost to the Department.

TYLIN INTERNATIONAL

DESIGNED	TD. DJR
CHECKED	MI
DRAWN	DJR
CHECKED	MI
DATE	03-22-2004

REMOVAL PLAN AND FENCE DETAIL

IL ROUTE 22 OVER
PEDESTRIAN TUNNEL EXTENSION
FAP 337 SECTION 20R-5
LAKE COUNTY
STA. 101+613.705
S.N. 049-T017